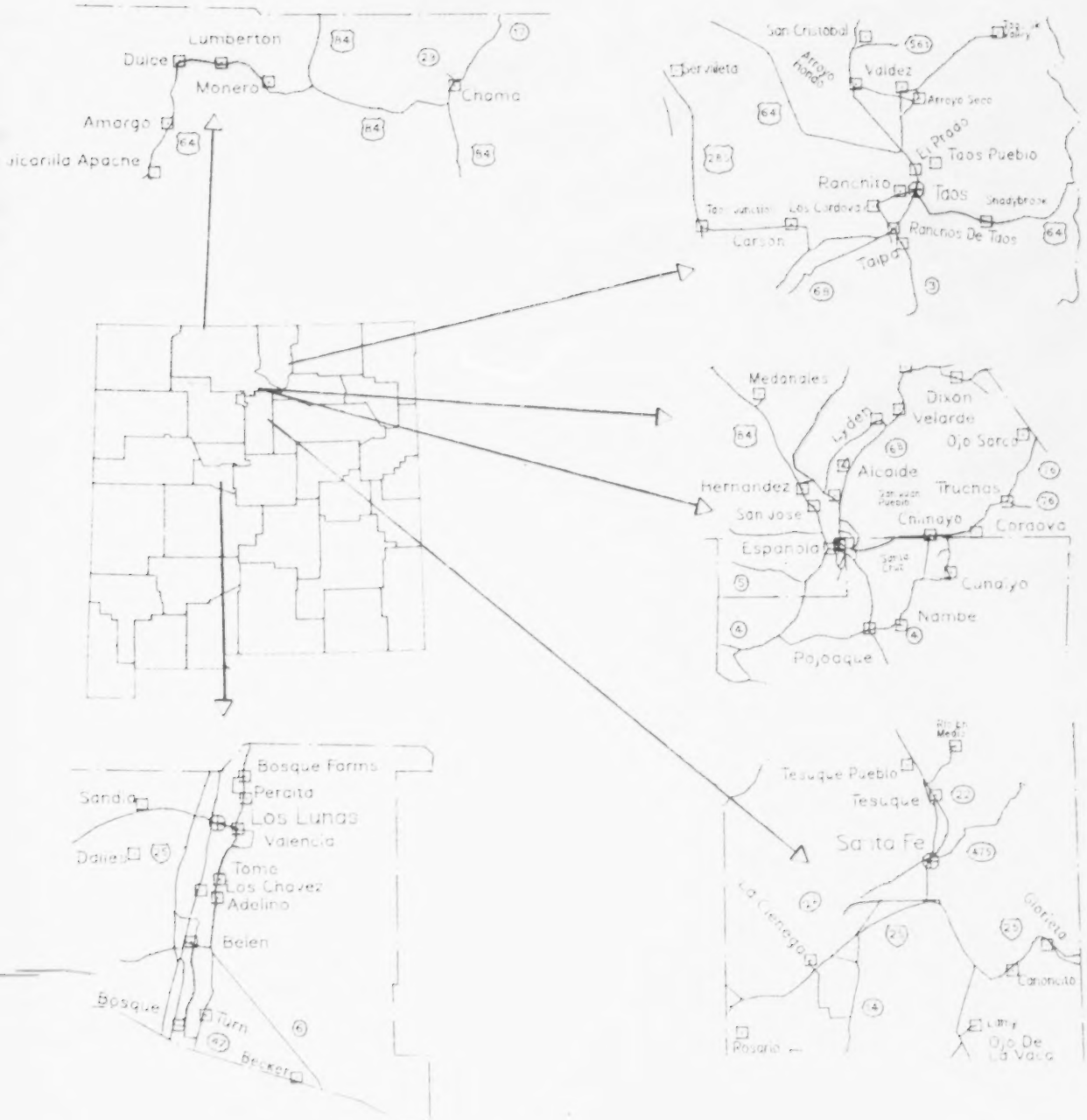
NEW MEXICO'S SEVEN LEAST SAFE RURAL HIGHWAY SEGMENTS, 1986



New Mexico
Traffic Crash Data
1986

New Mexico Highway and Transportation Department
Transportation Programs Division
Traffic Safety Bureau

July, 1987

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regarding New Mexico traffic crashes

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INTRODUCTION

This report reviews data about traffic crashes in New Mexico from January through December, 1986, and provides some comparisons of the 1986 experience with previous years and with national crash rates. Crash occurrences are characterized in many different ways. Tables for those who seek reference information are accompanied by simple graphic illustrations of the same data for others who desire only an impressionistic understanding of the material. Maps are provided where geographic perspective is useful.

These data are gathered from traffic crash reports completed by the hundreds of police officers across the state, to whom a great debt is owed. This body of data was compiled in Santa Fe by the Transportation Statistics Bureau of the New Mexico Highway and Transportation Department, which provided it to the Division of Government Research at the University of New Mexico. The information was reprocessed there for analysis by the computer programs which generated this report.

These statistics cover only reported motor vehicle crashes on public roadways which involved death, personal injury, or $250 or more in property damage according to the investigating officer's judgment. No account is kept of unreported crashes or crashes on private property. Information herein is drawn from the Uniform Crash Reports. These reports are distinct from those required by New Mexico's Financial Responsibility Act, statutes 66-5-201 to 66-5-248.

Because crashes are both common and random, data are occasionally incomplete or imprecise. Major advances in data integrity have been achieved in recent years in New Mexico. Nevertheless, minor discrepancies between table totals occur in a few places due to missing information. Estimated and revised figures are indicated where applicable.

Requests for further information or additional copies of this report should be addressed to:

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DEFINITIONS

Some special terms are used throughout this report. The following list is provided to help clarify those terms.

GENERAL TERMS

1. Vehicle Miles - the number of miles traveled by motor vehicles. MVM and 100 MVM stand for million and 100 million vehicle miles, respectively.

2. Traffic Crash - a crash involving one or more motor vehicles.

3. Crash Rates - crashes per 100 MVM unless otherwise specified.

4. Death Rates - deaths per 100 MVM unless otherwise specified.

5. Alcohol-involved - a crash in which a DWI citation was issued or in which alcohol was listed as a contributing factor on the crash report.

6. Urban - a town or a city with a population of 2,500 or more.

7. Rural - an area with a population of less than 2,500.

8. Local Resident - a person whose residence was within 25 miles of the crash site.

9. Fatal - designates a crash where one or more persons were killed.

10. Injury - designates a crash where one or more persons were injured. Fatal crashes are not counted again as injury crashes.

11. Property Damage Only (PDO) - designates a crash involving no injuries or fatalities.

12. Killed - the number of persons killed in a crash, as opposed to the number of crashes in which people were killed. The term fatalities is also used.

13. Injured - the number of persons injured in a crash, as opposed to the number of crashes in which people were injured.

CRASH CLASSES

1. Collision - crashes are categorized based on the first object the vehicle collided with.

    a. Fixed Object - fixed objects are any objects that cannot be moved such as a building, sign, or fence.
    b. Other Object - an object that is movable or moving, but not fixed.

2. Non-Collision

    a. Overturn - a crash where the vehicle overturned for any reason without a preceding incident.
    b. Other Non-Collision - a crash where the vehicle does not overturn or collide with any other vehicle or object.

1.1 NEW MEXICO CRASH FACTS, 1986

* 499 people died in 1986 New Mexico traffic crashes (table 1.3)

* Friday between 5 and 6 PM was the least safe time to drive in urban areas (table 2.4)

* 81% of New Mexico's crashes occurred in urban areas (table 3.1)

* There were 9% fewer fatal crashes and 10% fewer people killed in rural areas in 1986 than in 1985 (table 3.1)

* 40% of New Mexico's crashes occurred in Bernalillo County (table 3.2)

* NM 76 in Santa Fe County contained New Mexico's most dangerous stretch of highway (table 3.9)

* The number of persons killed in overturning crashes was 132, down from 163 in 1985 (table 4.1)

* 88% of New Mexico's crashes happened in clear weather (table 4.2)

* 60% of New Mexico's fatal crashes happened at night (table 4.3)

* 63% of drivers in crashes were male (table 6.1)

* 37% of drivers in crashes lived within 25 miles of the crash site (table 6.2)

* Out-of-state drivers constituted 7% of drivers in crashes (table 6.2)

* 8 licensed drivers in 100 were involved in crashes (table 6.4)

* Of the people involved in serious crashes, 70% were reportedly wearing seatbelts, up from 32% in 1985 and 19% in 1984 (table 7.1)

* 660 crashes involved 674 killed or injured pedestrians (table 8.3)

* 10% of all crashes involved alcohol, down from 11% in 1985 and 13% in 1984 (table 9.1)

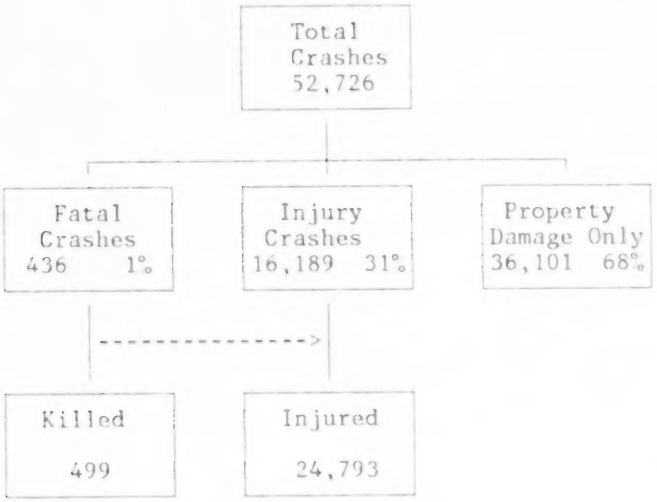
* 19% of the drivers in alcohol-involved crashes were less than 21 years old, up from 17% in 1985 and 18% in 1984 (table 9.2)

* 44% of alcohol-involved crashes happened on Friday or Saturday (table 9.4)

* 50 persons died in motorcycle crashes in New Mexico (table 10.1)

* 80% of those who died in motorcycle crashes wore no helmet (table 10.2)

1.2 NEW MEXICO CRASHES BY SEVERITY, 1986



In this and similar tables, injury counts include persons injured in fatal crashes.

In 1986.....

A traffic crash occurred every 10 minutes.

One person was injured in a traffic crash every 21 minutes.

One person was killed in a traffic crash every 18 hours.

1.3 NEW MEXICO ROADWAY STATISTICS, 1977 - 1986

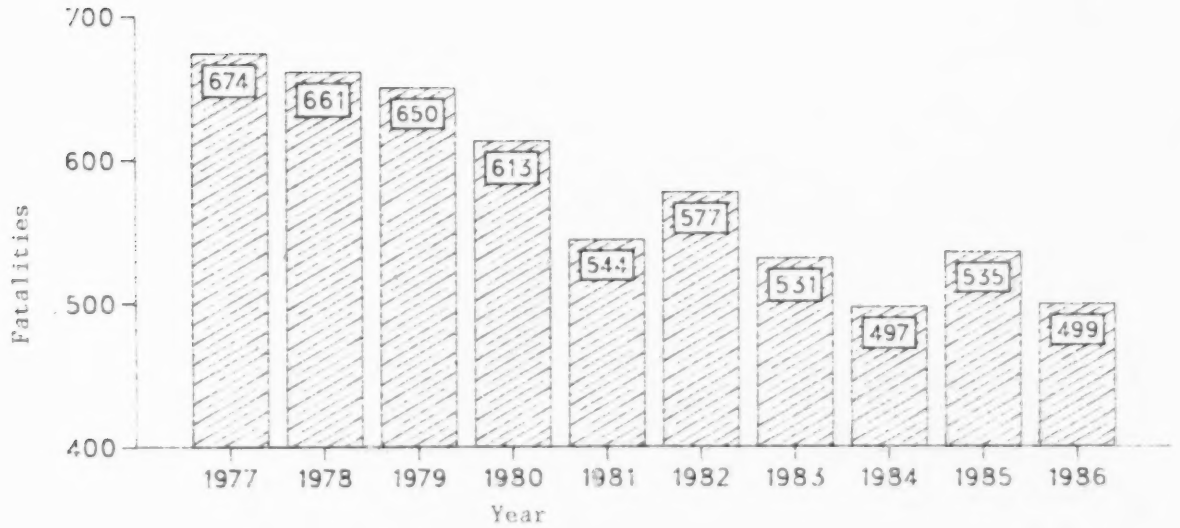
Calendar Year	New Mexico				Death Rate++	
	Motor Vehicle Registrations	MVM traveled	Traffic Fatalities	Traffic Injuries+	New Mexico	United States
1986	1,218,784	13,291*	499	25,000	3.8*	2.6
1985	1,233,728	12,810**	535	25,000	4.1	2.6
1984	1,287,307	12,449	497	24,000	4.0	2.7
1983	1,309,151	12,138	531	23,000	4.4	2.7
1982	1,273,354	11,856	577	23,000	4.9	3.0
1981	1,219,576	11,448	544	23,000	4.7	3.3
1980	1,185,295	11,156	613	23,000	5.5	3.5
1979	1,145,083	11,333	650	24,000	5.7	3.5
1978	1,096,939	11,507	661	24,000	5.6	3.4
1977	1,002,008	11,112	674	21,000	6.1	3.4

* estimated figures
** revised figure
\+ figures rounded to the nearest thousand
++ see definition on page v

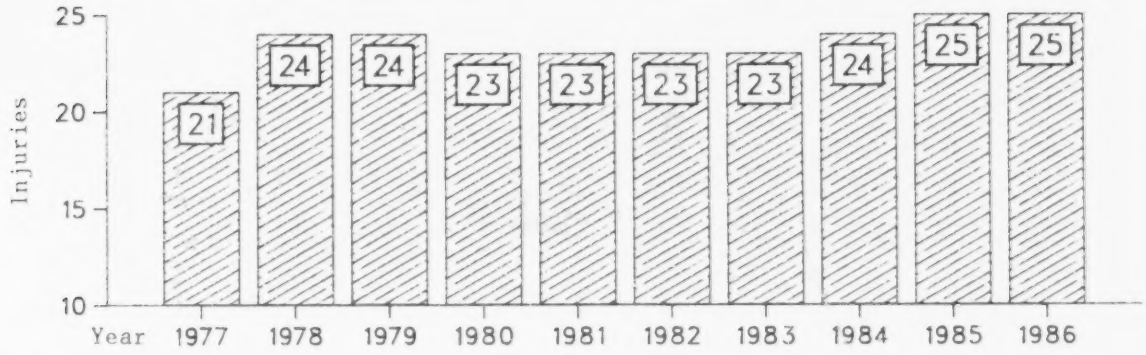
1.4 NEW MEXICO AND NATIONAL DEATH RATES, 1977 - 1986

* estimated

1.5 NEW MEXICO FATALITIES BY YEAR, 1977 - 1986

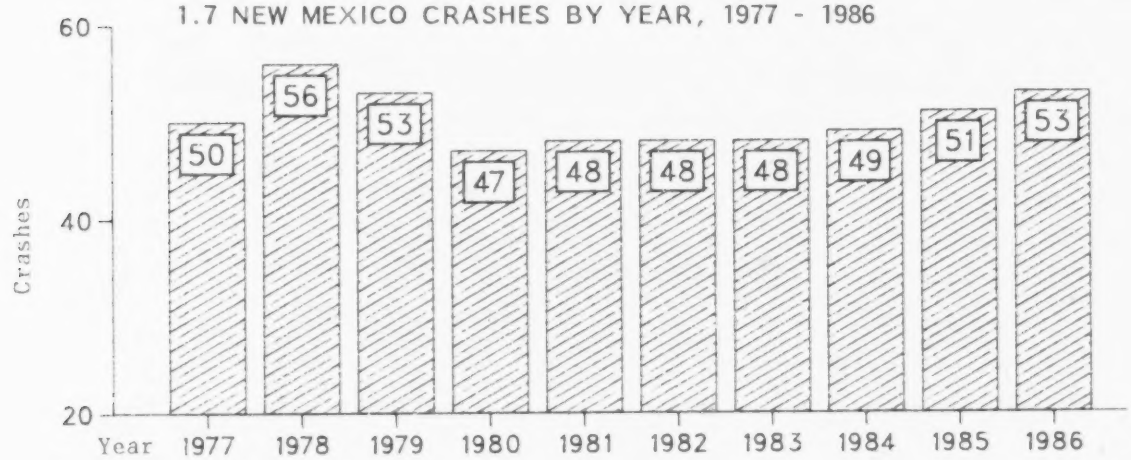


1.6 NEW MEXICO CRASH INJURIES BY YEAR, 1977 - 1986



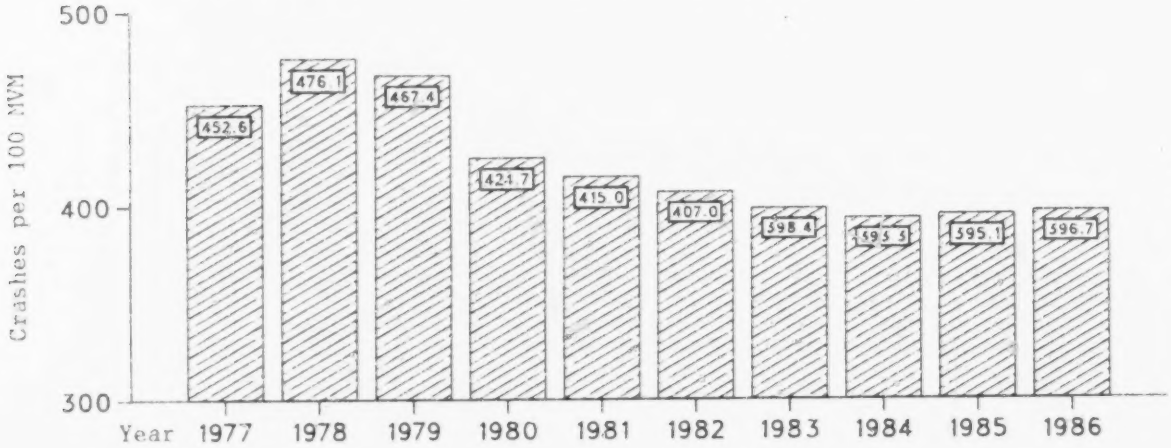
Injury counts are in thousands

1.7 NEW MEXICO CRASHES BY YEAR, 1977 - 1986



Crash counts are in thousands

1.8 NEW MEXICO CRASH RATES BY YEAR, 1977 - 1986



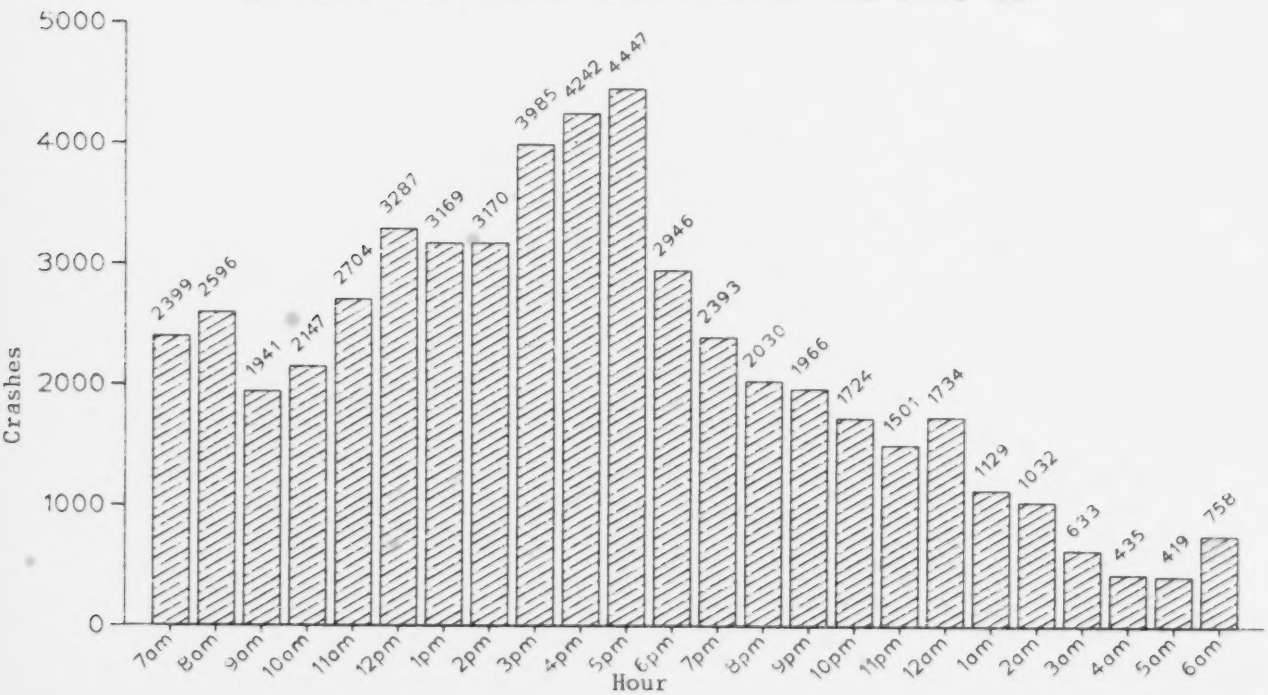
2.1 NEW MEXICO CRASHES BY MONTH, 1986

Month	Total	Percent	Fatal	Percent	Total
January	3,631	6.9	31	7.1	
February	3,633	6.9	28	6.4	
March	3,955	7.5	36	8.3	
April	3,966	7.5	33	7.6	
May	4,633	8.8	47	10.8	
June	4,102	7.8	36	8.3	
July	4,685	8.9	39	8.9	
August	4,754	9.0	47	10.8	
September	4,611	8.7	37	8.5	
October	4,926	9.3	38	8.7	
November	4,624	8.8	30	6.9	
December	5,206	9.9	34	7.8	
Total	52,726	100.0	436	100.0	2.000 4.000

2.2 NEW MEXICO CRASHES BY DAY OF THE WEEK, 1986

Day	Total	Percent	Fatal	Percent	Total
Sunday	5,626	10.7	77	17.7	
Monday	7,208	13.7	37	8.5	
Tuesday	7,427	14.1	50	11.5	
Wednesday	7,454	14.1	45	10.3	
Thursday	7,379	14.0	59	13.5	
Friday	9,355	17.7	77	17.7	
Saturday	8,277	15.7	91	20.9	
Total	52,726	100.0	436	100.0	2.000 4.000 6.000 8.000

2.3 NEW MEXICO CRASHES BY HOUR OF THE DAY, 1986



2.4 NEW MEXICO'S SEVEN LEAST SAFE HOURS OF THE WEEK, 1986

Urban				Rural			
	Day	Time	Crashes	% of total	Day	Time	Crashes	% of total
1.	Friday	5 PM	711	1.7	1. Saturday	5 PM	116	1.2
2.	Friday	4 PM	685	1.6	2. Saturday	7 PM	100	1.0
3.	Friday	3 PM	675	1.6	3. Friday	6 PM	94	0.9
4.	Monday	5 PM	596	1.4	4. Saturday	midnight	93	0.9
5.	Thursday	5 PM	595	1.4	5. Saturday	8 PM	93	0.9
6.	Tuesday	5 PM	590	1.4	6. Friday	10 PM	89	0.9
7.	Tuesday	4 PM	586	1.4	7. Friday	5 PM	88	0.9

2.5 NEW MEXICO CRASHES DURING HOLIDAY PERIODS, 1983 - 1986

Holiday	Total Hours	Beginning (6 p.m.)	Ending (midnight)	Crashes Total	Fatal	Injury	Persons Killed	Injured
Easter								
1983	54	4/1	4/3	284	6	104	9	172
1984	54	4/20	4/22	260	2	81	3	137
1985	54	4/5	4/7	272	2	99	4	145
1986	54	3/28	3/30	410	9	131	12	213
Memorial Day								
1983	78	5/27	5/30	404	10	142	11	231
1984	78	5/25	5/28	381	6	149	6	243
1985	78	5/24	5/27	411	3	168	4	242
1986	78	5/23	5/26	447	10	168	10	277
July 4th								
1983	78	7/1	7/4	466	6	167	6	297
1984	30	7/3	7/4	183	2	59	2	91
1985	102	7/3	7/7	392	7	143	7	232
1986	78	7/3	7/6	497	5	156	6	261
Labor Day								
1983	78	9/2	9/5	413	5	152	6	240
1984	78	8/31	9/3	463	8	161	9	271
1985	78	8/30	9/2	278	8	101	8	172
1986	78	8/29	9/1	465	5	151	5	238
Thanksgiving								
1983	102	11/23	11/27	535	12	189	13	322
1984	102	11/21	11/25	515	2	156	2	271
1985	102	11/27	12/1	360	3	112	3	178
1986	102	11/26	11/30	490	5	152	5	245
Christmas								
1983	78	12/23	12/26	494	5	182	5	313
1984	102	12/21	12/25	477	5	142	7	231
1985	54	12/23	12/25	156	3	43	5	76
1986	54	12/23	12/25	387	3	88	3	151
New Year's								
1983-1984	78	12/30	1/2/84	394	2	131	2	205
1984-1985	102	12/28	1/1/85	549	5	160	5	244
1985-1986	54	12/30	1/1/86	273	4	86	5	147
1986-1987	54	12/30	1/1/87	267	3	67	3	105

2.6 NEW MEXICO FATALITIES BY DAY, 1986

JANUARY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3: 4	4: 2
5: 2	6: 2	7: 3	8	9: 1	10: 1	11: 4
12	13	14: 1	15	16	17: 2	18
19: 1	20: 1	21	22	23: 4	24	25: 2
26: 1	27: 1	28: 2	29: 1	30	31	

FEBRUARY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1: 1
2	3: 1	4: 1	5	6: 2	7	8
9: 1	10	11: 3	12	13: 1	14: 5	15
16: 1	17	18	19: 2	20: 3	21: 1	22
23: 2	24	25: 1	26: 3	27	28: 4	

MARCH

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1: 1
2: 1	3: 3	4: 1	5: 1	6: 1	7: 1	8: 2
9	10: 1	11: 1	12: 1	13: 1	14	15: 1
16	17: 1	18: 1	19: 2	20: 3	21: 2	22: 1
23: 1	24	25	26	27: 2	28: 3	29: 6
30: 3	31					

APRIL

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1: 1	2	3	4: 1	5: 2
6: 1	7: 2	8	9: 1	10: 1	11: 1	12: 1
13: 4	14: 1	15	16: 2	17	18	19. 5
20: 4	21: 1	22	23: 1	24: 2	25: 4	26: 1
27: 1	28: 1	29: 1	30			

MAY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1: 1	2: 1	3: 4
4: 3	5	6: 1	7	8: 5	9: 1	10: 7
11	12	13	14: 1	15: 2	16: 1	17: 2
18: 2	19	20: 6	21	22	23: 3	24: 1
25: 5	26: 2	27: 2	28	29: 2	30: 4	31: 2

JUNE

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1: 2	2: 1	3	4: 1	5: 2	6: 1	7
8: 1	9	10: 2	11	12: 1	13	14: 2
15: 2	16	17: 3	18: 2	19: 1	20: 2	21: 2
22: 1	23	24	25	26	27: 2	28: 6
29: 5	30					

JULY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1: 1	2: 2	3: 2	4: 2	5: 4
6	7: 2	8	9: 1	10: 2	11: 2	12
13: 2	14: 1	15	16: 1	17	18: 4	19: 7
20: 1	21	22: 3	23	24	25: 3	26: 3
27	28	29	30: 2	31		

AUGUST

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1: 1	2: 2
3: 3	4: 2	5: 1	6: 3	7: 1	8: 3	9: 2
10: 4	11	12: 1	13: 2	14: 3	15: 1	16: 4
17: 1	18: 2	19	20: 1	21: 1	22: 1	23: 1
24: 2	25: 3	26	27: 2	28	29	30: 1
31: 4						

SEPTEMBER

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2: 3	3	4: 3	5: 3	6: 1
7: 2	8	9: 1	10: 3	11	12: 2	13: 1
14: 1	15	16	17: 1	18: 1	19: 5	20: 1
21: 7	22: 1	23	24: 1	25: 1	26: 1	27: 2
28: 1	29	30: 1				

OCTOBER

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1: 1	2: 3	3: 2	4: 5
5: 1	6	7: 1	8: 4	9: 2	10: 5	11
12: 1	13	14: 1	15	16	17	18: 2
19: 2	20: 1	21: 5	22: 2	23	24	25: 2
26	27: 1	28	29: 2	30: 2	31: 1	

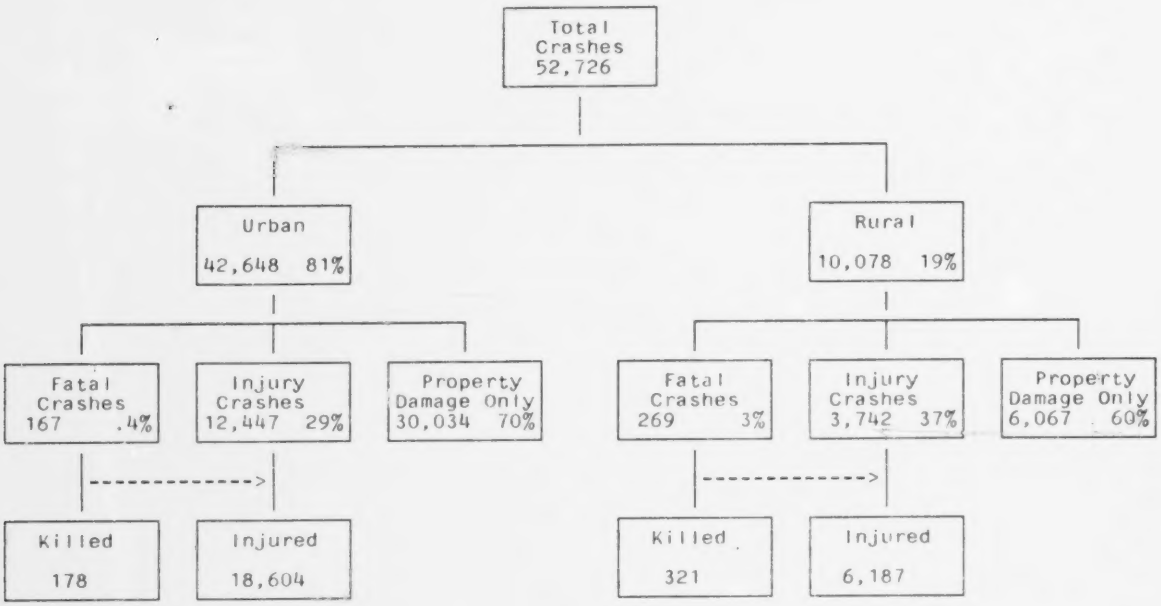
NOVEMBER

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1: 1
2	3: 1	4: 1	5	6: 1	7	8
9	10: 1	11: 2	12: 1	13	14: 2	15: 2
16: 2	17: 1	18	19	20: 1	21: 3	22: 2
23: 3	24: 2	25	26	27: 2	28	29: 2
30: 1						

DECEMBER

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2: 2	3: 3	4	5: 1	6: 2
7: 4	8	9: 2	10	11: 1	12: 1	13: 3
14: 1	15	16: 3	17	18: 1	19: 1	20
21: 1	22	23: 3	24: 1	25: 2	26	27: 1
28	29: 3	30: 2	31			

3.1 NEW MEXICO CRASHES BY ROAD SYSTEM, 1986

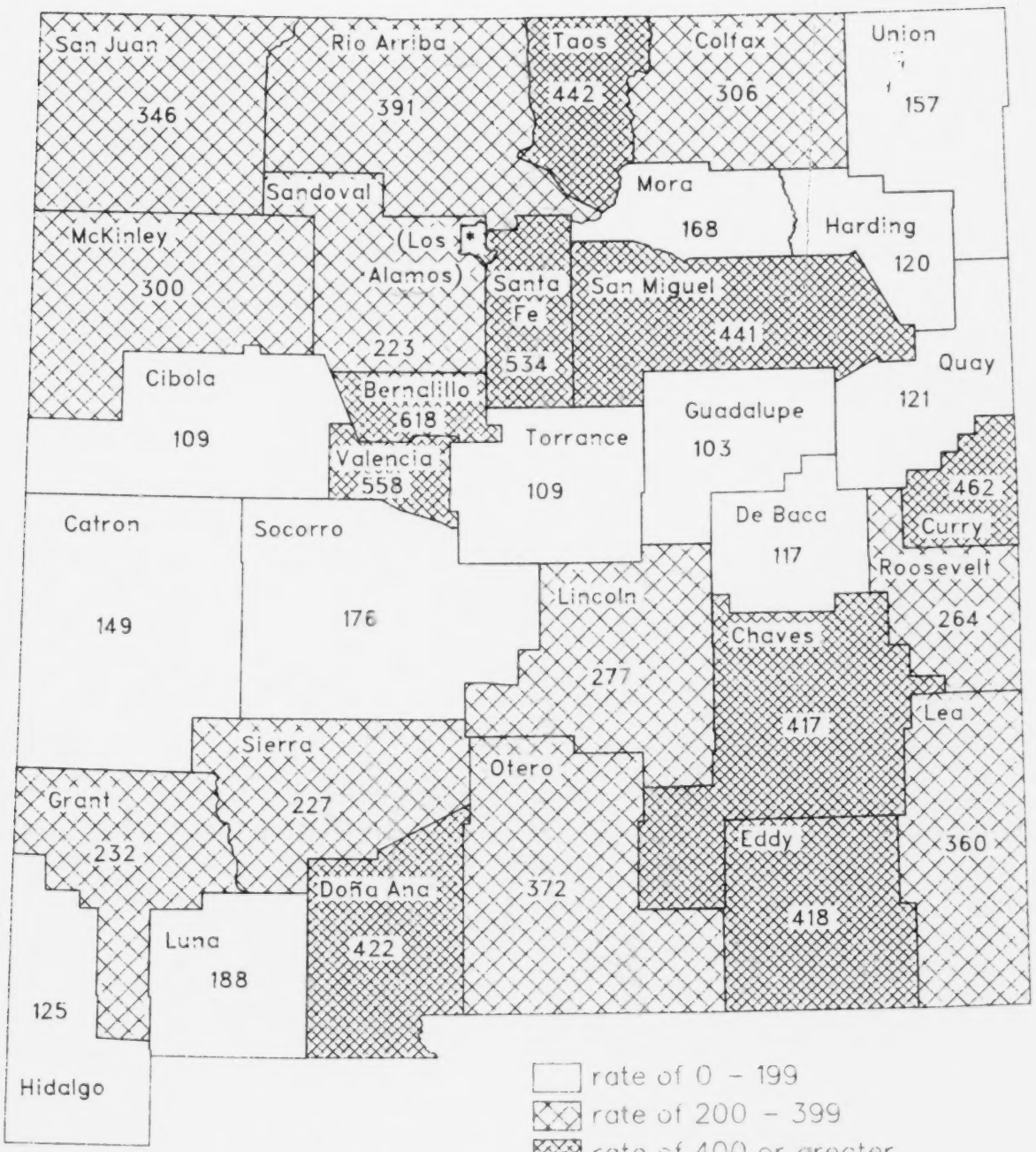


3.2 NEW MEXICO CRASHES BY COUNTY, 1986

County	Crashes				Persons		Rates		
	Total	Fatal	Injury	Property damage	Killed	Injured	Crash rate	Death rate	100 MVM
Bernalillo	21,210	91	6,881	14,238	99	10,270	617.83	2.88	34.33
Catron	82	1	31	50	1	52	149.09	1.82	0.55
Chaves	1,779	10	581	1,188	11	888	416.63	2.58	4.27
Cibola	616	13	214	389	14	351	109.03	2.48	5.65
Colfax	570	1	150	419	2	210	306.45	1.08	1.86
Curry	1,350	4	320	1,026	4	457	462.33	1.37	2.92
De Baca	76	0	20	56	0	34	116.92	0.00	0.65
Dona Ana	3,661	30	1,164	2,467	34	1,754	421.77	3.92	8.68
Eddy	1,621	12	497	1,112	14	754	417.78	3.61	3.88
Grant	663	5	200	458	5	308	231.82	1.75	2.86
Guadalupe	309	10	96	203	10	157	103.34	3.34	2.99
Harding	18	0	4	14	0	4	120.00	0.00	0.15
Hidalgo	176	3	61	112	3	92	124.82	2.13	1.41
Lea	1,845	14	425	1,406	15	635	360.35	2.93	5.12
Lincoln	510	8	146	356	10	209	277.17	5.43	1.84
Los Alamos	425	2	106	317	2	151	425.00	2.00	1.00
Luna	545	11	153	381	13	239	187.93	4.48	2.90
McKinley	2,092	32	490	1,570	36	858	300.14	5.16	6.97
Mora	111	4	40	67	7	80	168.18	10.61	0.66
Otero	1,489	14	395	1,080	14	574	372.25	3.50	4.00
Quay	382	6	113	263	6	174	121.27	1.90	3.15
Rio Arriba	1,047	24	401	622	27	659	390.67	10.07	2.68
Roosevelt	464	1	105	358	1	159	263.64	0.57	1.76
Sandoval	871	16	287	568	17	444	222.76	4.35	3.91
San Juan	2,573	42	702	1,829	55	1,125	346.30	7.40	7.43
San Miguel	956	17	211	728	20	349	440.55	9.22	2.17
Santa Fe	4,071	32	1,369	2,670	39	2,182	534.25	5.12	7.62
Sierra*	277	2	84	191	2	115	227.05	1.64	1.22
Socorro*	476	8	124	344	11	193	176.30	4.07	2.70
Taos	769	8	246	515	10	382	441.95	5.75	1.74
Torrance	292	5	85	202	6	165	108.55	2.23	2.69
Union	140	3	31	106	3	59	157.30	3.37	0.89
Valencia	1,260	7	457	796	8	710	557.52	3.54	2.26
Total	52,726	436	16,189	36,101	499	24,793	396.70	3.75	132.91

*Data for these counties may be under-reported.

3.3 NEW MEXICO CRASH RATES BY COUNTY, 1986



* Los Alamos County rate is 425

3.4 NEW MEXICO CRASHES ON PUEBLOS AND RESERVATIONS, 1986

Pueblo or Reservation	Crashes				Persons	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Acoma	17	2	8	7	2	15
Cochiti	4	0	2	2	0	2
Isleta*	32	4	16	12	6	30
Jemez	8	2	2	4	2	2
Jicarilla Apache	35	4	14	17	4	27
Laguna	159	5	68	86	6	105
Mescalero Apache	14	0	8	6	0	11
Nambe	6	0	4	2	0	7
Navajo	186	9	65	112	15	131
Picuris	27	0	6	21	0	8
Pojoaque	71	2	28	41	2	43
Ramah Navajo	8	1	1	6	1	3
Sandia	54	2	19	33	3	28
San Felipe	41	1	20	20	1	30
San Ildefonso	26	0	13	13	0	22
San Juan	57	4	22	31	5	45
Santa Ana	12	0	7	5	0	11
Santa Clara	54	1	29	24	1	46
Santo Domingo	13	1	7	5	1	10
Tesuque	28	0	12	16	0	17
Zia	20	0	6	14	0	8
Zuni	89	2	34	53	2	77

* Data for this pueblo may be under-reported.

3.5 CRASH RATES FOR SELECTED NEW MEXICO CITIES, 1986

City	Crashes		Rates+++		Estimated 1984 Population+
	Total	Fatal and Injury++	Total	Fatal and Injury++	
Alamogordo	1,121	142	4.08	0.52	27,485
Albuquerque	20,854	3,131	5.95	0.89	350,575
Artesia	315	44	2.64	0.37	11,938
Aztec	161	19	2.32	0.27	6,936
Belen	421	64	6.20	0.94	6,794
Bloomfield	92	14	1.42	0.22	6,462
Carlsbad	977	158	3.44	0.56	28,433
Clovis	1,167	117	3.49	0.35	33,424
Deming	331	41	3.12	0.39	10,609
Espanola	525	80	7.05	1.07	7,450
Farmington	1,638	215	4.39	0.58	37,332
Gallup	1,212	115	5.78	0.55	20,959
Grants	241	30	2.46	0.31	9,808
Hobbs	1,136	167	3.24	0.48	35,029
Las Cruces	2,677	391	5.32	0.78	50,275
Las Vegas	721	71	4.69	0.46	15,364
Los Alamos	421	61	2.21	0.32	19,040
Lovington	308	25	2.63	0.21	11,704
Portales	331	31	3.17	0.30	10,456
Raton	334	35	4.22	0.44	7,923
Rio Rancho	360	52	2.23	0.32	16,136
Roswell	1,427	230	3.12	0.50	45,702
Ruidoso	251	42	4.77	0.80	5,257
Santa Fe	2,896	431	5.54	0.82	52,274
Silver City	355	53	3.22	0.48	11,014
Socorro*	281	29	3.47	0.36	8,100
Sunland Park*	1	1	0.02	0.02	5,070
Taos	329	39	9.55	1.13	3,444
T or C	159	23	2.84	0.41	5,590
Tucumcari	247	43	3.55	0.62	6,957

+Population estimates are from Bureau of the Census data that are to be published in the P-26 series.

++ Fatal and Injury Crashes include fatal, incapacitating, and visible injury crashes.

+++Rates are crashes per 100 population.

* Data for these cities may be under-reported.

OVERSIZE FOLDOUT(S) FOUND HERE IN THE PRINTED EDITION OF THIS VOLUME ARE FOUND FOLLOWING THE LAST PAGE OF TEXT IN THIS MICROFICHE EDITION.

SEE FOLDOUT NO 1

3.7 NEW MEXICO CRASHES BY CITY, 1986

City	Crashes				Persons	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Alamogordo	1,121	6	261	854	6	361
Albuquerque	20,854	81	6,722	14,051	82	10004
Anthony	57	0	13	44	0	21
Artesia	315	0	78	237	0	106
Aztec	161	1	41	119	1	60
Bayard	48	0	6	42	0	11
Belen	421	0	126	295	0	186
Bernalillo	42	1	8	33	1	11
Bloomfield	92	3	21	68	3	36
Bosque Farms	67	1	19	47	1	36
Capitan	10	0	0	10	0	0
Carlsbad	977	4	290	683	4	440
Carrizozo	9	0	1	8	0	3
Central	14	0	5	9	0	5
Chama	2	0	1	1	0	1
Cimarron	21	0	3	18	0	5
Clayton	83	1	15	67	1	30
Cloudcroft*	3	1	1	1	1	1
Clovis	1,167	3	259	905	3	375
Columbus	5	0	2	3	0	5
Corona	3	0	0	3	0	0
Corrales	82	0	24	58	0	36
Cuba	8	0	2	6	0	3
Deming	331	1	70	260	1	99
Des Moines	1	0	0	1	0	0
Dexter	5	0	0	5	0	0
Dora	1	0	0	1	0	0
Eagle Nest	1	0	1	0	0	1
Elida	3	0	3	0	0	3
Encino	1	0	1	0	0	2
Espanola	525	0	175	350	0	283
Estancia	2	0	2	0	0	6
Eunice	46	1	10	35	1	12
Farmington	1,638	8	417	1,213	8	657
Floyd	1	0	0	1	0	0
Folsom	1	0	0	1	0	0
Fort Sumner	45	0	9	36	0	16
Gallup	1,212	11	188	1,013	13	292
Grants	241	0	53	188	0	78
Hagerman	10	0	0	10	0	0
Hatch	21	0	4	17	0	5
Hobbs	1,136	3	272	861	3	408
Hurley	13	1	4	8	1	8
Jal	34	0	8	26	0	10
Jemez Springs	13	0	3	10	0	5
Lake Arthur	3	0	0	3	0	0
Las Cruces	2,677	9	809	1,859	11	1,201
Las Vegas	721	5	128	588	7	202

3.7 NEW MEXICO CRASHES BY CITY, 1986

City	Crashes				Person	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Logan	14	0	5	9	0	5
Lordsburg	70	0	20	50	0	26
Los Alamos	421	1	104	316	1	145
Los Lunas	213	0	82	131	0	127
Loving	12	0	4	8	0	6
Lovington	308	0	42	266	0	55
Magdalena	4	1	1	2	1	2
Maxwell	2	0	0	2	0	0
Melrose	9	1	2	6	1	2
Milan	38	0	7	31	0	13
Moriarty	45	0	10	35	0	19
Mosquero	2	0	0	2	0	0
Mountainair	8	0	2	6	0	5
Pecos	4	0	2	2	0	4
Portales	331	0	57	274	0	81
Questa	29	0	14	15	0	18
Raton	334	0	73	261	0	90
Red River	20	0	4	16	0	5
Reserve	2	0	1	1	0	1
Rio Rancho	360	1	98	261	1	137
Roswell	1,427	3	465	959	3	696
Roy	1	0	0	1	0	0
Ruidoso	251	1	72	178	1	106
Ruidoso Downs	17	0	4	13	0	5
San Jon	3	0	1	2	0	2
San Ysidro	2	0	1	1	0	1
Santa Fe	2,896	8	937	1,951	11	1,482
Santa Rosa	87	1	21	65	1	28
Shiprock*	8	3	2	3	3	2
Silver City	355	0	97	258	0	135
Socorro*	281	2	45	234	2	66
Springer	27	0	7	20	0	9
Sunland Park*	1	1	0	0	1	0
Taos	329	2	94	233	2	133
Tatum	16	0	2	14	0	6
Texico	19	0	4	15	0	4
Tijeras	7	1	1	5	2	8
Truth or Consequences	159	0	37	122	0	50
Tucumcari	247	0	61	186	0	90
Tularosa	37	0	12	25	0	13
Vaughn	4	0	0	4	0	0
Wagon Mound	1	0	0	1	0	0
Willard	2	0	1	1	0	3
Williamsburg	1	0	0	1	0	0

* Data for these cities may be under-reported.

3.8 NEW MEXICO'S SEVEN LEAST SAFE INTERSECTIONS, 1986

Intersection	City	Crashes		
		Total	Fatal	Injury
1. Montgomery at San Mateo	Albuquerque	137	0	45
2. Montgomery at Wyoming	Albuquerque	101	0	36
3. Juan Tabo at Lomas	Albuquerque	88	0	40
4. Eubank at Montgomery	Albuquerque	84	0	23
5. Coors at Ouray	Albuquerque	78	1	30
6. Atrisco at Central	Albuquerque	76	0	29
7. Central at Zuni	Albuquerque	76	0	29

New Mexico intersections with 30 or more crashes in three years were ranked by the total number of crashes from October, 1985, through September, 1986. Naturally, the busiest intersections tend to have the most crashes.

3.9 NEW MEXICO'S SEVEN LEAST SAFE RURAL HIGHWAY SEGMENTS, 1986

Highway	Mile	County	Crashes				Crash rate	Million vehicle miles
			Total	Fatal	Injury	Alcohol		
1. NM 76	0 TO 10	Santa Fe	124	1	54	17	957.3	12.95
2. NM 284	0 TO 10	Santa Fe	33	1	13	3	728.6	4.53
3. US 64	70 TO 80	Rio Arriba	23	2	8	8	636.5	3.61
4. NM 109	0 TO 10	Valencia	18	0	10	9	388.3	4.64
5. US 64	0 TO 10	Taos	25	1	10	1	387.3	6.46
6. NM 47	0 TO 10	Valencia	57	2	19	5	353.1	16.15
7. US 285	0 TO 10	Rio Arriba	16	2	8	5	281.2	5.69

This highway segment ranking was done on the basis of rates (crashes per 100 MVM) and therefore does not necessarily correspond to the most heavily traveled segments. Crash counts are from October, 1985 through September, 1986.

4.1 NEW MEXICO CRASHES BY CLASS, 1986

Class	Crashes					Persons	
	Total	% of Total	Fatal	% of Fatal	Injury	Killed	Injured
Other vehicle	34,487	65	136	31	10,754	174	17,490
Pedestrian	660	1	95	22	522	100	565
Fixed object	7,074	13	54	12	1,840	61	2,491
Veh. on other road	8	0	1	0	4	1	5
Parked vehicle	4,838	9	10	2	442	11	538
Overturn	3,583	7	120	28	1,893	132	2,863
Other non-collision	656	1	6	1	227	6	273
Pedalcyclist	468	1	10	2	383	10	406
Railroad train	20	0	2	0	7	2	11
Animal	795	2	1	0	93	1	118
Other object	130	0	1	0	21	1	27
Total	52,719	100	436	100	16,186	499	24,787

4.2 NEW MEXICO CRASHES BY WEATHER, 1986

Weather Condition	Crashes				Persons	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Clear	46,231	389	14,253	31,589	443	21,712
Rain	4,127	27	1,320	2,780	34	2,064
Snow,Sleet	1,358	7	301	1,050	9	513
Fog	198	3	55	140	3	89
Dust,Wind	476	4	157	315	4	248
Other	307	5	90	212	5	145
Total	52,697	435	16,176	36,086	498	24,771

4.3 NEW MEXICO CRASHES BY LIGHTING, 1986

Light Condition	Crashes				Persons	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Daylight	35,328	173	10,592	24,563	195	15,904
Dawn	933	12	255	666	16	393
Dusk	1,938	12	627	1,299	13	988
Dark,Lighted	7,048	65	2,292	4,691	75	3,660
Dark,Unlighted	7,340	172	2,398	4,770	198	3,806
Other,Unknown	124	1	19	104	1	32
Total	52,711	435	16,183	36,093	498	24,783

4.4 NEW MEXICO FIXED OBJECT CRASHES, 1986

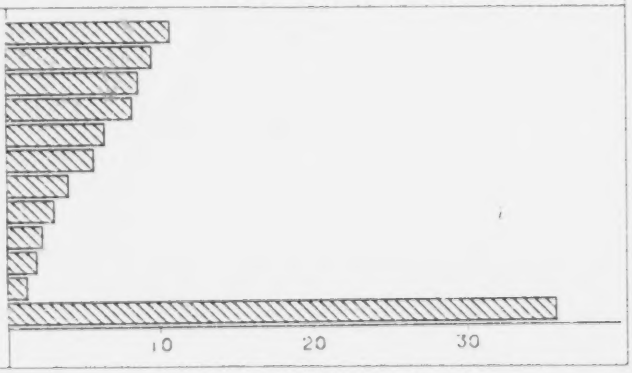
Object	Crashes			Persons	
	Total	Fatal	Injury	Killed	Injured
Barricade	44	0	14	0	15
Bridge or pier	54	1	18	1	19
Building	165	2	37	2	57
Cattle guard	24	0	1	0	2
Culvert or Drain	117	3	54	3	77
Embankment	420	12	183	13	258
Fence	1,751	4	326	4	430
Guard Rail or Post	570	5	211	6	297
Median or curb	770	2	206	2	274
Sign, pole, meter, hydrant	1,630	8	383	10	499
Tree	419	6	155	8	211
Other or unknown	1,110	11	252	12	352
Total	7,074	54	1,840	61	2,491

4.5 NEW MEXICO HIT AND RUN CRASHES, 1982 - 1986

Year	Crashes			Persons	
	Total	Fatal	Injury	Killed	Injured
1986	1,107	25	1,082	26	1,244
1985	822	9	813	11	1,053
1984	784	17	767	17	1,013
1983	811	12	799	12	1,043
1982	740	6	734	6	977

4.6 NEW MEXICO CRASH CONTRIBUTING FACTORS, 1986

Contributing factor	Percent of involvements
Failure to yield	10.8
Driver inattention	9.6
Excessive speed	8.7
Other improper driving	8.3
Follow too close	6.5
Alcohol involved	5.7
Improper turn	4.1
Disregard traffic control	3.1
Drove left of center	2.4
Mechanical defects	2.0
Improper overtaking	1.3
Other	35.8

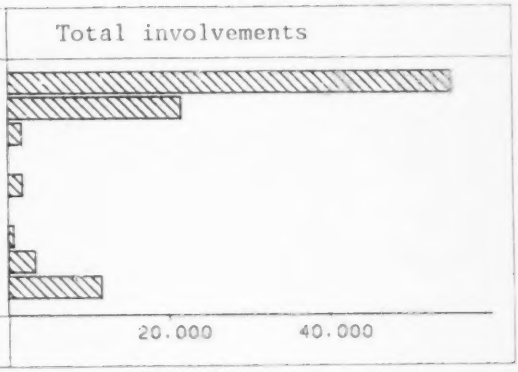


4.7 NEW MEXICO CRASHES INVOLVING VEHICLE OR ROAD DEFECTS, 1980 - 1986

Year	All crashes	Vehicle defects	Road defects	% with vehicle defects	% with road defects
1986	52,726	1,833	425	3.5	0.8
1985	50,606	2,103	470	4.2	0.9
1984	48,965	2,147	481	4.4	1.0
1983	48,362	2,160	413	4.5	0.9
1982	48,250	2,092	470	4.3	1.0
1981	47,505	2,313	418	4.9	0.9
1980	47,407	2,063	386	4.4	0.8

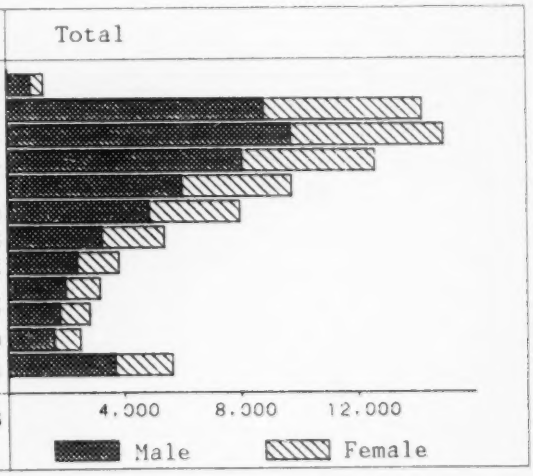
5.1 NEW MEXICO CRASH INVOLVEMENTS BY VEHICLE TYPE, 1986

Vehicle type	Total	Fatal	Injury
Passenger car	54,965	250	17,177
Pickup	21,494	179	6,181
Semi	1,722	40	452
Bus	518	2	115
Motorcycle	1,815	50	1,418
Pedalcyclist	477	10	389
Pedestrian	716	106	567
Van or 4WD	3,385	27	995
Other	11,566	49	2,871
Total	96,658	713	30,165



6.1 NEW MEXICO CRASH DRIVER AGE AND SEX, 1986

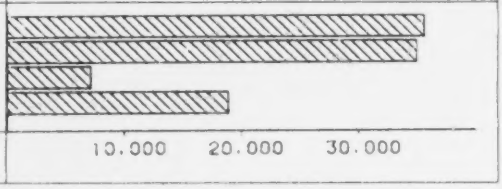
Age	Total	Male	Female
Under 15	1,244	812	432
15-19	14,169	8,771	5,398
20-24	14,904	9,691	5,213
25-29	12,551	8,025	4,526
30-34	9,715	5,974	3,741
35-39	7,948	4,848	3,100
40-44	5,364	3,236	2,128
45-49	3,814	2,392	1,422
50-54	3,163	1,992	1,171
55-59	2,815	1,798	1,017
60-64	2,490	1,601	889
Over 64	5,635	3,684	1,951
Total	83,812	52,824	30,988



Note that 18 percent of New Mexico crashes involved teenagers, although teenagers comprised only 8 percent of New Mexico's drivers.

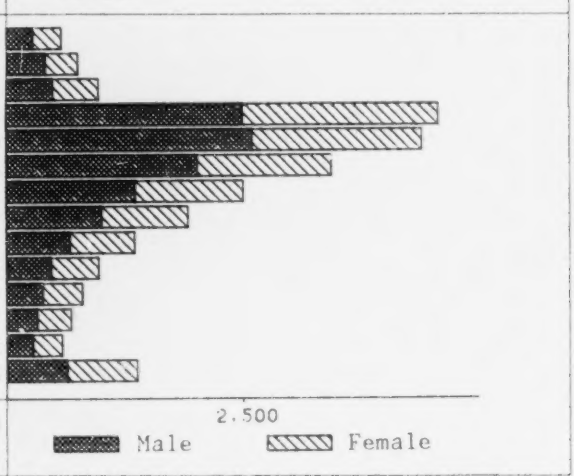
6.2 NEW MEXICO CRASH DRIVER RESIDENCE, 1986

Residence	Total	Fatal	Injury
Local	35,609	346	11,798
Elsewhere in NM	34,944	114	11,923
Outside NM	7,189	91	2,254
Unknown	18,916	162	4,190
Total	96,658	713	30,165



6.3 NEW MEXICO CRASH OCCUPANT AGE AND SEX, 1986

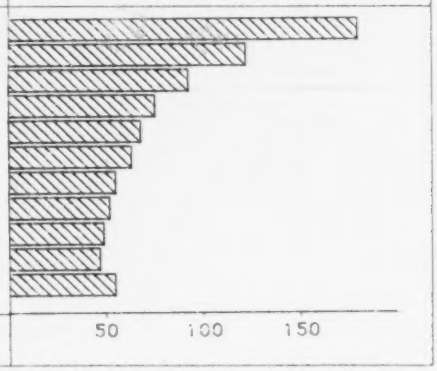
Age	Total	Male	Female
0- 4	590	292	298
5- 9	765	420	345
10-14	978	497	481
15-19	4,562	2,496	2,066
20-24	4,386	2,596	1,790
25-29	3,433	2,020	1,413
30-34	2,501	1,364	1,137
35-39	1,920	1,011	909
40-44	1,359	678	681
45-49	978	480	498
50-54	807	388	419
55-59	688	331	357
60-64	592	284	308
Over 64	1,382	644	738
Total	24,941	13,501	11,440



These are counts of persons killed or injured.

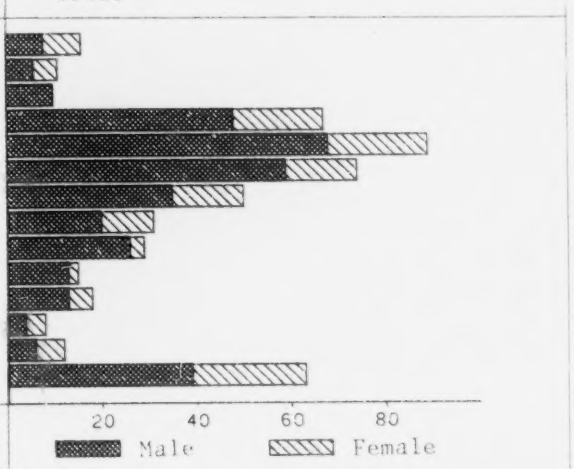
6.4 NEW MEXICO DRIVER INVOLVEMENT RATES IN CRASHES, 1986

Age	Driver involvements	July 86 drivers	Inv. per 1,000 drivers
15-19	14,169	78,828	179.75
20-24	14,904	121,882	122.28
25-29	12,551	135,312	92.76
30-34	9,715	128,691	75.49
35-39	7,948	116,696	68.11
40-44	5,364	84,782	63.27
45-49	3,814	69,354	54.99
50-54	3,163	60,902	51.94
55-59	2,815	57,418	49.03
60-64	2,490	52,908	47.06
Over 64	5,635	102,677	54.88
Total	82,568	1,009,450	81.80



6.5 NEW MEXICO FATALITIES BY AGE AND SEX, 1986

Age	Total	Male	Female
0- 4	16	8	8
5- 9	11	6	5
10-14	11	10	1
15-19	67	48	19
20-24	89	68	21
25-29	74	59	15
30-34	50	35	15
35-39	31	20	11
40-44	29	26	3
45-49	15	13	2
50-54	18	13	5
55-59	8	4	4
60-64	12	6	6
Over 64	63	39	24
Total	494*	355	139



*This total is not 499 fatalities due to missing information for age and sex.

7.1 NEW MEXICO CRASH SEATBELT USAGE AND INJURIES, 1986

Injury	Belt worn Number	Belt worn Percent	Belt not worn Number	Belt not worn Percent	Total Number	Total Percent
Killed	39	0.1	252	2.1	291	0.7
Incapacitating injury	1,609	5.8	1,673	14.0	3,282	8.2
Visisble injury	2,948	10.6	2,356	19.8	5,304	13.3
Complaint of injury	8,458	30.4	2,557	21.5	11,015	27.7
Unhurt	14,813	53.2	5,079	42.6	19,892	50.0
Total	27,867	100.0	11,917	100.0	39,784	100.0

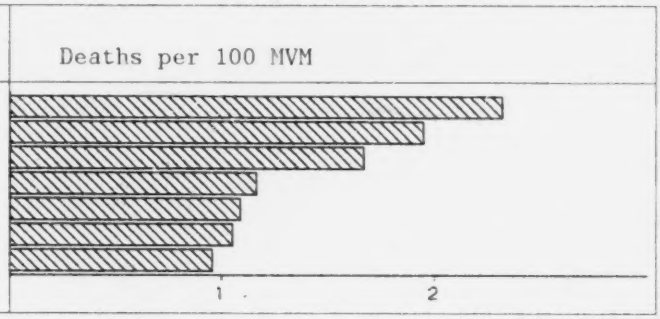
These are counts of occupants of passenger cars, pickups, vans or four wheel drive vehicles in fatal and injury crashes. The mandatory seatbelt law for drivers and front-seat passengers in cars became effective on January 1, 1986. The fine for non-compliance is $50.00. This may have caused people in crashes to report wearing seatbelts when they were not.

8.1 NEW MEXICO PEDESTRIANS IN CRASHES, 1986

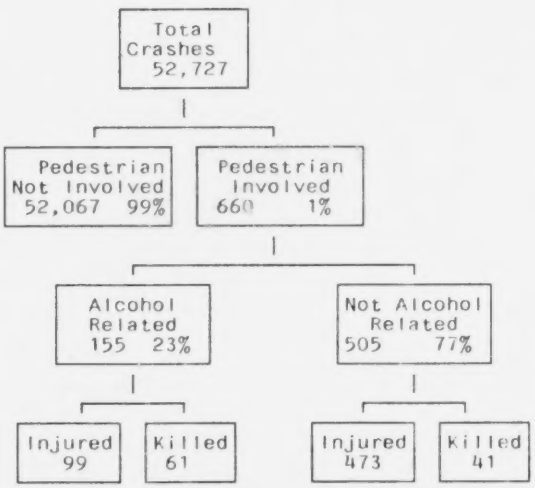
Age	Total Killed	Total Inj.	Male Killed	Male Inj.	Female Killed	Female Inj.
0- 4	4	31	3	18	1	13
5- 9	3	69	3	46	0	23
10-14	1	66	1	35	0	31
15-19	5	61	3	39	2	22
20-24	12	54	10	45	2	9
25-29	18	54	15	42	3	12
30-34	8	36	6	24	2	12
35-39	4	36	3	26	1	10
40-44	9	18	8	9	1	9
45-49	2	17	2	12	0	5
50-54	4	23	4	14	0	9
55-59	1	15	0	10	1	5
60-64	4	10	1	8	3	2
Over 64	25	44	17	26	8	18
Total	100	534	76	354	24	180

8.2 SEVEN WORST COUNTIES BY PEDESTRIAN DEATH RATE, 1986

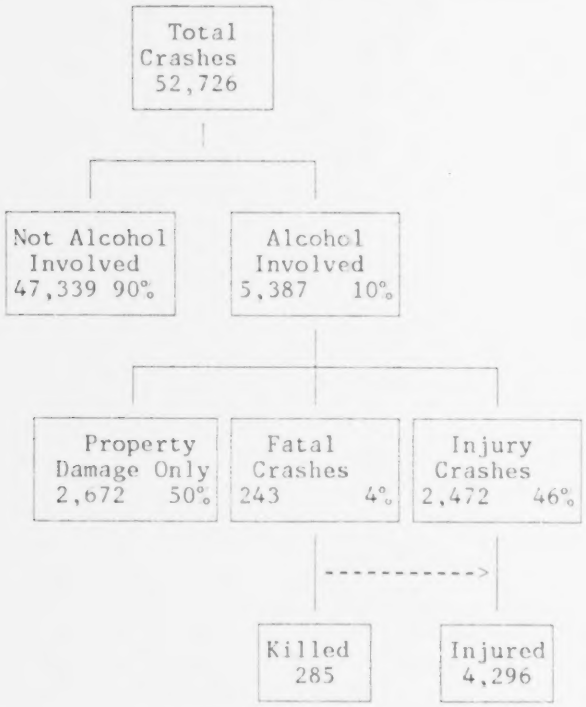
County	Pedestrians in crashes Total	Killed	Injured
Rio Arriba	25	6	19
McKinley	61	13	42
San Juan	45	12	30
Union	2	1	1
Luna	10	3	7
Bernalillo	285	35	236
Santa Fe	57	7	44



8.3 NEW MEXICO ALCOHOL-INVOLVED PEDESTRIAN CRASHES, 1986



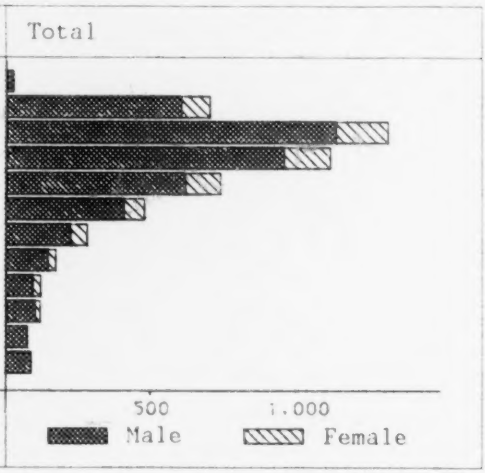
9.1 NEW MEXICO CRASHES BY ALCOHOL INVOLVEMENT, 1986



In this and similar tables, injury counts include persons injured in fatal crashes.

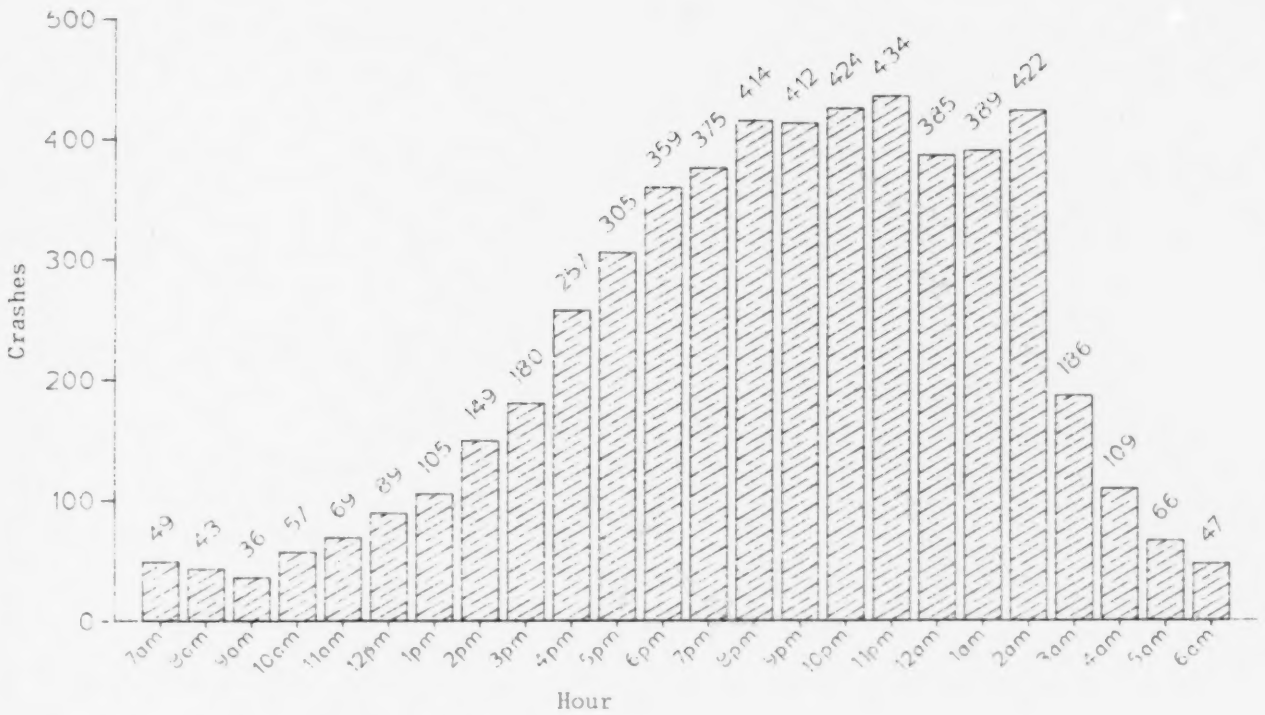
9.2 NEW MEXICO ALCOHOL-INVOLVED DRIVERS IN CRASHES BY AGE AND SEX, 1986

Age	Total	Male	Female
Under 15	39	27	12
15-19	703	604	99
20-24	1,317	1,138	179
25-29	1,118	959	159
30-34	739	619	120
35-39	477	407	70
40-44	281	224	57
45-49	173	147	26
50-54	122	95	27
55-59	120	103	17
60-64	87	77	10
Over 64	98	89	9
Total	5,274	4,489	785
Under 21	996	851	145



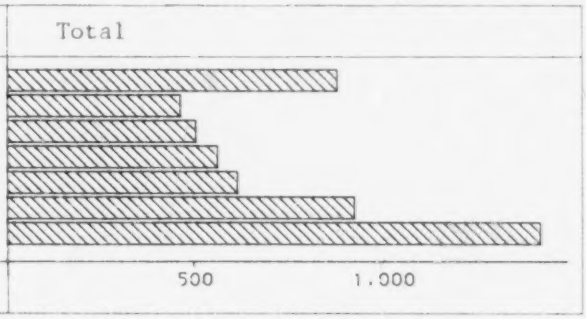
19% of the alcohol-involved drivers were under 21 years of age.

9.3 NEW MEXICO ALCOHOL-INVOLVED CRASHES BY HOUR OF THE DAY, 1986

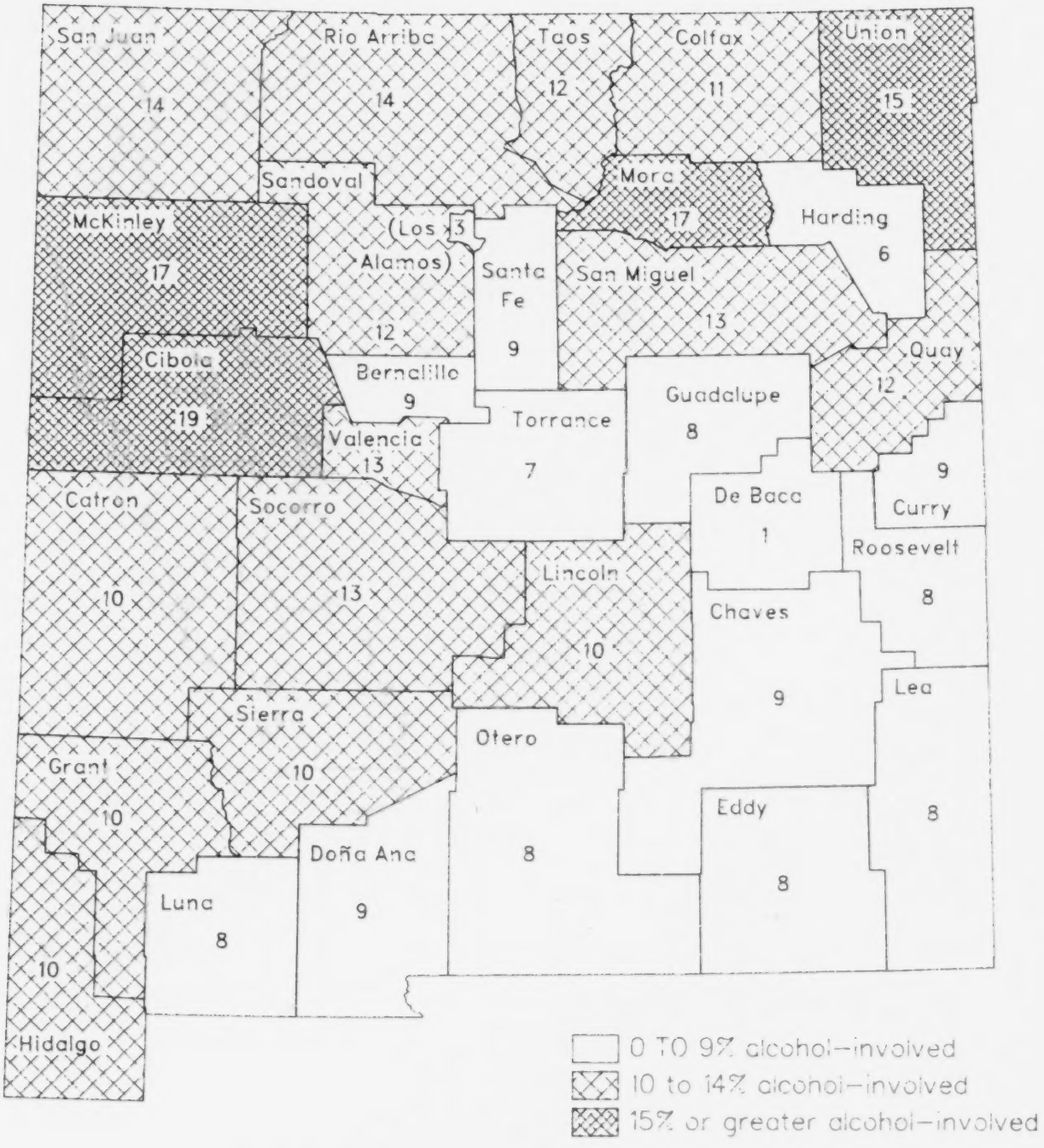


9.4 NEW MEXICO ALCOHOL-INVOLVED CRASHES BY DAY OF THE WEEK, 1986

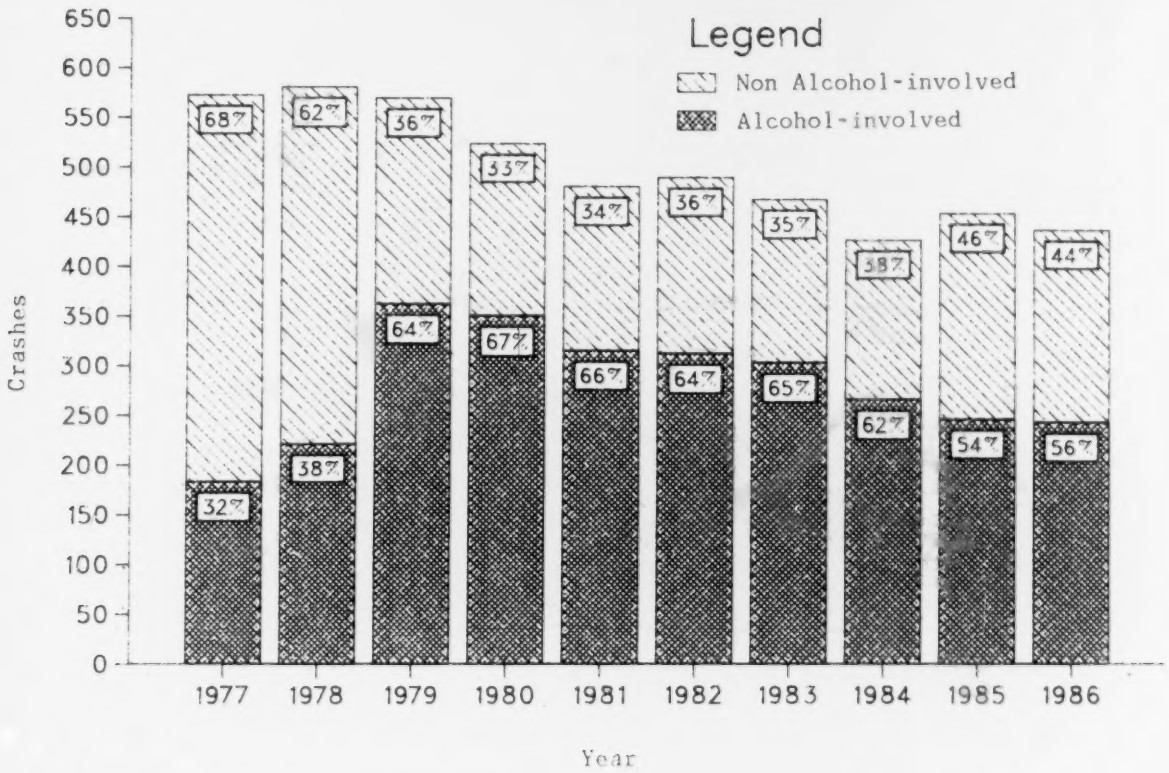
Day	Total	Fatal	Injury
Sunday	883	53	410
Monday	464	19	203
Tuesday	505	18	237
Wednesday	563	23	247
Thursday	616	26	280
Friday	929	41	418
Saturday	1,427	63	677
Total	5,387	243	2,472



9.5 PERCENT ALCOHOL-INVOLVED CRASHES BY COUNTY, 1986



9.6 NEW MEXICO FATAL ALCOHOL-INVOLVED CRASHES BY YEAR, 1977 - 1986



Reporting of alcohol involvement improved considerably in 1979.

10.1 RIDERS IN NEW MEXICO MOTORCYCLE CRASHES, 1977 - 1986

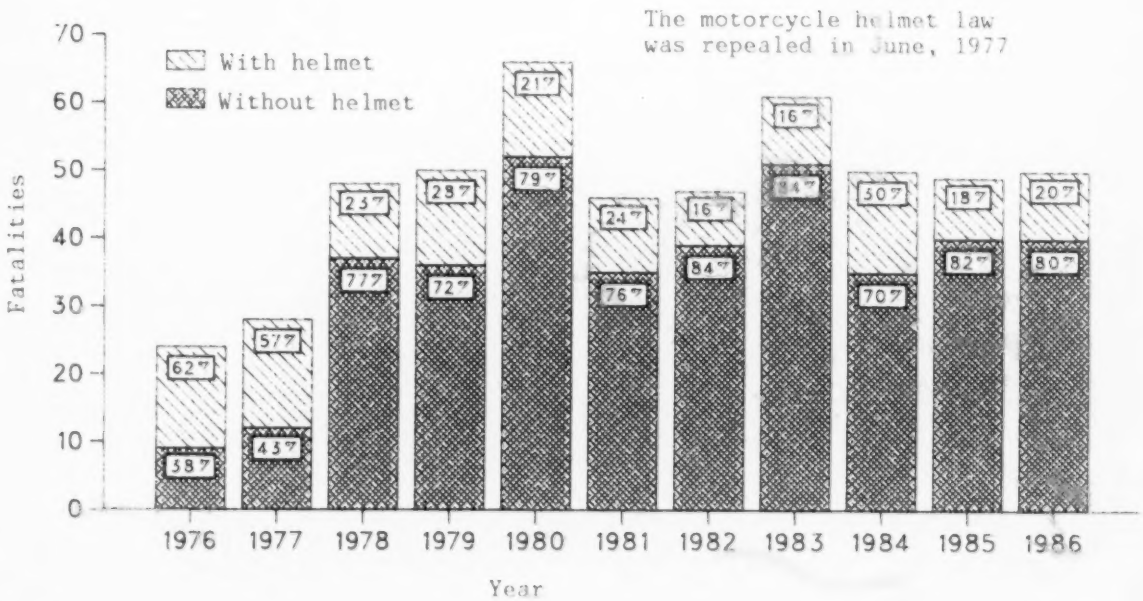
Year	Number of occupants	Number of fatalities	Motorcycle registrations
1986	2,112	50	42,152*
1985	2,334	49	52,236
1984	2,289	50	56,148
1983	2,499	61	58,217
1982	1,950	47	60,200
1981	2,022	46	52,810
1980	1,769	66	50,576
1979	1,842	50	46,803
1978	1,683	49	42,557
1977	1,543	28	38,750

* This figure is not comparable to other years due to a reporting change at Motor Vehicle Division.

10.2 RIDERS' HELMET USAGE AND INJURIES IN NEW MEXICO, 1986

Injury	With helmet	Without helmet	Total
Killed	10	40	50
Incapacitating	169	391	560
Visible injury	260	502	762
Complaint	121	168	289
Unhurt	155	296	451
Total	715	1,397	2,112

10.3 NEW MEXICO MOTORCYCLE FATALITIES, 1976 - 1986



10.4 NEW MEXICO MOTORCYCLE INVOLVEMENT BY CLASS, 1986

Class	Total	Fatal	Injury	Total
Other vehicle	1,069	27	816	
Overturn	312	3	278	
Fixed object	200	17	151	
Other non-collision	96	1	84	
Parked vehicle	62	0	26	
Animal	22	1	16	
Pedestrian	10	0	10	
Pedalcyclist	9	0	8	
Other object	5	0	4	
Total	1,785	49	1,393	500 1,000

10.5 NEW MEXICO MOTORCYCLE CRASH DRIVER AGE, 1986

Age	Vehicles			Persons	
	Total	Fatal	Injury	Killed	Injured
Under 15	169	3	78	3	90
15-19	411	8	333	8	387
20-24	499	11	407	11	457
25-29	324	12	260	13	290
30-34	182	4	156	3	179
35-39	105	5	89	5	101
40-44	53	3	37	3	40
45-49	32	2	24	2	28
50-54	15	1	13	1	19
55-59	12	0	11	0	11
60-64	4	1	1	1	1
Over 64	9	0	9	0	9
Total	1,815	50	1,418	50	1,612

11.1 NEW MEXICO TRAFFIC CRASHES INVOLVING TRAINS, 1967 - 1986

Year	Crashes				Persons	
	Total	Fatal	Injury	Property damage only	Killed	Injured
1986	20	2	7	11	2	11
1985	12	2	7	3	3	10
1984	16	1	6	9	1	7
1983	12	1	5	6	1	6
1982	20	2	5	13	2	7
1981	22	3	10	9	4	14
1980	31	4	11	16	5	16
1979	35	8	10	17	8	14
1978	33	7	8	18	8	13
1977	26	2	9	15	3	15
1976	34	7	10	17	8	16
1975	34	0	16	18	0	24
1974	43	4	14	25	6	19
1973	44	4	17	23	5	21
1972	34	4	7	23	8	12
1971	44	6	11	27	10	15
1970	29	2	8	19	3	9
1969	32	6	8	18	6	12
1968	29	3	12	14	6	18
1967	25	4	5	16	7	8

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THE UNIVERSITY OF NEW MEXICO

The Division of Government Research provides specialized information processing services and analysis to a wide range of clients in New Mexico and the nation. We are happy to have prepared this annual report for the N.M. Traffic Safety Bureau for the 7th year. This report displays a very small fraction of the data and information we have available about traffic crashes and highway conditions. In preparing this report, we have drawn on computer files that we maintain for the N.M. Traffic Safety Bureau and the N.M. State Highway Department.

Of interest to those with responsibilities for highway safety are other products the Division has produced such as:

PAPS -- Project Area Problem Summaries -- for each county and municipality with more than 40 crashes in a year.

Intersection crash reports for municipalities with more than 5,000 population.

GRNDB -- Geographic Road Network Database -- provides comprehensive computer mapping capabilities for all state highways in New Mexico. Any data about rural highways in this report can be portrayed in geographic context by using the GRNDB.

DWI Report -- In depth review of statistics concerning the offense of Driving While Intoxicated in New Mexico. Information is drawn from a variety of databases. The 1985 report is currently available, with the 1986 report available in Fall, 1987.

State Lab Report -- Statistics on blood alcohol concentration data maintained at the State Laboratory Division.

TRSS -- Traffic Records Systems Survey -- an inventory of databases available in New Mexico.

For further information about our specialized services in this and other fields, please contact the Director -- Robert L. Anderson -- at (505) 277-5305.

ACKNOWLEDGEMENTS

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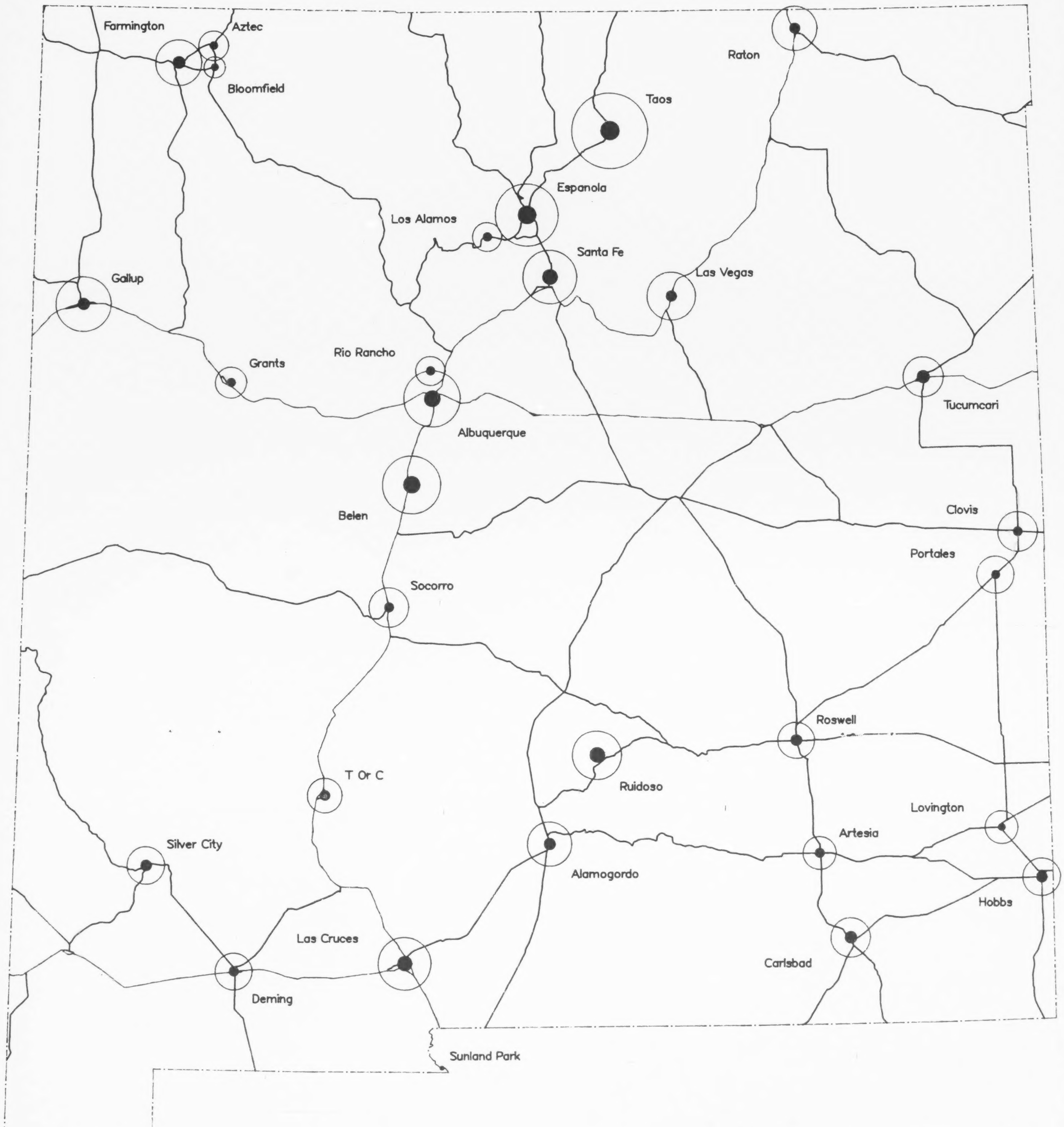
NEW MEXICO TRAFFIC FATALITIES BY COUNTY, 1986

3.6 CRASH RATES FOR SELECTED NEW MEXICO CITIES, 1986



These data are represented in tabular form in table 3.5. Cities with populations of 5,000 or more are represented. Taos is included because of high crash rates. Socorro and Sunland Park rates are not included because crashes are under-reported.

The outer ring represents the total accident rate. The inner circle represents the rate of crashes which resulted in fatalities or serious injuries.

Larger rings and circles indicate higher rates.

LEGEND
Crash Rate of 8.00
Fatal and Injury Rate of 1.00
Crash Rate of 4.00
Fatal and Injury Rate of 0.50
Crash Rate of 2.00
Fatal and Injury Rate of 0.25

1:2,200,000

SCALE
1 inch = 35 miles

0 20 40 60 80
miles